

ITS Technical Bulletin 176

CHANGES TO CUSTOMER DETAIL FILE

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Section/Groups:
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Due to the implementation of the FIRSTplus accounting system ITS data processing customers will notice changes to the Customer Detail File. Along with the changes resulting from the FIRSTplus accounting system, IFS will also be making numerous changes at the same time (July 1, 1994). These changes, while possibly appearing complicated at first glance, are designed to simplify the interpretation of the data. This new format will provide better trend analysis, forecasting and problem resolving capabilities for both ITS and our customers. Primary comprehensive design parameters were to:

- 1) Provide billing information at the lowest chargeable level.
- 2) Develop field commonality between record types.
- 3) Expand the output detail to incorporate all pertinent source record information.
- 4) Place file layouts in customer accessible copy libraries.

The changes affecting the Customer Detail file are grouped into the following general categories:

- 1) **RESOURCE IDENTIFYING INFORMATION:** Currently, all records on the Customer Detail file are identified by a single field called the Customer ID Number. This field is actually a combination of two KOMAND generated fields, the Bill Code field and the Transaction Type field. As some records are currently the result of combining several individual resource charges (i.e. ADABAS records combine charges for CPU time, I/O's and Command Counts), simply identifying the environment which produced the charge is not sufficient. The new Customer Detail file layout will provide four separate fields to allow enhanced resource identifying, tracking and reporting capabilities. The fields that will be replacing the Customer ID field are:

A) Cust-FMS-CODE Pic X(03)
Equivalent to the KOMAND Bill Code. It identifies the generating source environment. All records which currently fall within the 100 through 199 range in the first three positions of the Customer ID field will change to the 400 through 499 range. This change will provide concurrency with KOMAND release 3 standards.

B) Cust-Resource-Code Pic X(03)

This field provides a common identifier between similar resources (i.e. All records which report CPU consumption will contain the same value in this field). This will allow simplified access to vital information without having to identify and isolate the proper fields on various record types and create complex query routines to report the desired information.

C) Cust-Unique-Code

Pic X(03)

This field provides the ability to uniquely identify a lowest level charged resource (i.e. Using this field, a person can isolate all CPU utilization information consumed through the ADABAS environment. Every lowest level chargeable item will be assigned a unique code.

D) Cust-Transaction-Code

Pic X(01)

This field identifies the record as a current or prior month debit or credit. This information is extremely useful when attempting to analyze actual consumption. It will contain the same information as is currently being presented in the last byte of the Customer ID field.

2) ACCOUNTING INFORMATION:

The changes to the accounting structure are extensive due to the implementation of the FIRSTplus system.

The format of how this accounting information will be presented is laid out in detail below. As to the actual use of this information, please contact the Division of Finance if you need assistance or have any questions.

Cust-FINET-Fund Pic X(03)

Cust-FINET-Agency Pic X(04)

Cust-FINET-Org Pic X(04)

Cust-FINET-Suborg Pic X(02)

Cust-FINET-Appropriation Pic X(03)

Cust-FINET-Activity Pic X(04)

Cust-FINET-Rept-Category Pic X(04)

Cust-FINET-Project-Job Pic X(08)

Cust-FINET-Object Pic X(04)

Cust-FINET-Subobject Pic X(02)

Cust-FINET-Revenue Pic X(04)

Cust-FINET-Subrevenue Pic X(02)

Additionally, there is a new field (CUST-DAS-ID-CODE), which will be used in the Job Card accounting area, as well as in most other ITS services. This ten byte alphanumeric field will provide the users with a link to FIRSTplus. This field will provide user accountability without requiring full account block coding. The values for this field will be assigned by a security administrator and cross referenced with FIRSTplus.

- 3) **FIELD COMMONALITY:** In an effort to simplify the use, interpretation and maintainability of the data presented in the Customer Detail file, an extensive effort was made to permit only one field in a constant position for similar data between various record types. For example, whenever a record, regardless of the resource, contains a system identifier (i.e. "CPU3"), the information should be accessible by querying the same field by name or position and identifying only the desired records without having to isolate and identify various positioning, labeling and formatting differences between and solely dependent upon record types. A complete layout of the Customer Detail file is available for referencing and programming purposes. It is located in the partitioned data set "DP.KMD.GFS.COPYLIB" with member names of "CUSTRCFD" and "CUSTRCWS" for File Description and Working Storage usage respectively.
- 4) **UNIQUE RESOURCE REPORTING:** A major change effecting the Customer Detail File will be the way data is reported. Currently, some records are a summation for consumption of several resources. A good example of this is the 1190 (Adabas) record type. Its total amount consists of billing for CPU time, I/O and Command Counts. With the new format, there will be a separate record produced for each of these three resources.

As stated previously, by accessing the records by one of the three identifier codes (Bill Code, Resource Code or Unique Code), the information can be extracted more simply and precisely than before. By using 419 as a qualifier on Bill Code all Adabas consumption can be extracted. By using 001 as a qualifier on Resource Code all CPU time consumption for any resource (i.e. Batch, CICS, Adabas) may be extracted. By using 002 as a qualifier on Unique Code all Adabas CPU time consumption can be extracted.

We realize that recoding programs is always an undesirable task. Hopefully the benefits provided by these modifications will greatly out way any inconvenience caused by their implementation. They should provide you, as ITS customers, more timely and efficient accessing of this detailed information, as well as a more comprehensive understanding of your data processing bill and resource consumption. These modifications should also enhance your ability to track utilization trends, isolate areas of concern and assist you in forecasting your future consumption of ITS data processing resources.

As stated previously, it is our intent to simplify the interpretation of the data presented on the Customer Detail File and make it more valuable to you as customers of ITS. Please feel free to ask us for any assistance you may need in understanding these changes and their effect on your billing system.

We have distributed a full copy of documentation to all Information Technology managers. If you did not receive detailed hard copy documentation and would like one, or have any questions or concerns regarding the information presented in

this bulletin, please contact Customer Service Support at 538-3440.